

California MLPA North Central Coast Regional Stakeholder Group
Turquoise Work Group Initial MPA Array, "Option B"
For initial review by the MLPA Master Plan Science Advisory Team and Blue Ribbon Task Force
October 17, 2007

NAME OF INITIAL MPA ARRAY: *Turquoise Work Group Initial MPA Array, "Option B" (Array Option TB)*

FORMAT IN WHICH PROPOSED MPA BOUNDARIES WERE SUBMITTED:

_____ MPA ARRAY IN DORIS _____ HARDCOPY MAP TO STAFF ___X___ GIS FORMAT

NUMBER AND TYPE OF MPAS IN INITIAL MPA RECOMMENDATIONS:

 10 SMR 1 SMP 11 SMCA 22 Total # MPAs

NARRATIVE RATIONALE: *[Please describe how this initial MPA array meets MLPA goals, the approach used to develop the components, and other comments] –[You don't have to do this yet.]*

Initial MPA Array

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Provide ALL the information listed below for each individual MPA included in the initial MPA array option.

Opt	MPA Name	Type (SMCA, SMP, SMR)	GIS ID #	General MPA Boundaries	Allowed or Disallowed Uses	Goals/Objectives/ Design Criteria this MPA Contributes Toward	Comments, Questions or Important Information
B	Point Arena SMR	SMR	419	SMR that includes intertidal	No take	Goals 1,2,3,4,6 Protects intertidal, rocky reef, kelp forest, upwelling center.	Does not include Garcia River Estuary. Would impact crab, abalone, and urchin grounds and cultural/tribal uses in nearshore. Inshore sea urchin grounds impacted. Impacts high local use for abalone and shorefishing (eg. Stornetta lands). Would keep open crab grounds off Manchester Beach (6-40 fathoms). May impact abalone index site. Point Arena is considered the alternative to Saunders Reef which would be left open.
B	Point Arena SMCA	SMCA	420	Offshore of SMR	Offshore SMCA to allow crab and salmon	Goals 1, 2, 4, 6 Protects offshore mostly soft bottom habitat.	Reduces impact to crab and salmon fishery
B	Del Mar Landing SMP	SMP	454	Keep existing MPA	Take of all living marine resources is	.Goal 3	Maintain local recreational access

					prohibited except the recreational take of finfish by hook and line or spear.		
B	Black Salt SMR	SMR	417	SMR extends out to approx. 30 fathom line.	No take	Goals: 1, 2, 3, 4, 5, 6 Protects rocky reef, kelp forests, shoreline, rockfish (yelloweye and others). Would provide fish and abalone to sites to south due to southward currents	This option reduces impacts to crab, salmon, and other fisheries by having SMR line inshore to approximately 30 fathom contour. Protection of juvenile rockfish provides foraging prey for Stellar sea lions. Gertle Cove is great access area; this area to north is used primarily by experts. Salt Point is an ab index and creel survey site (need to identify areas surveyed). SMR has 9.6 miles alongshore span. SMR would have significant impacts on tribal/cultural collection which is primarily along the shoreline and shallow waters (especially Stewarts Point and adjacent areas). This option opens up Gerstle Cove. Black Salt would cause a loss of 6 recreational abalone fishery access sites (#5,6,7,8,9 and 10) of 56 sites in study region if adopted.
B	Black Salt SMCA	SMCA	418	Offshore of SMR	Allows crab, salmon, halibut	Goals 1-6 Protects offshore,	Minimizes impact to crab, salmon, and

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					(hook and line only for finfish)	mostly sandy habitat	halibut fisheries.
B	Russian River SMCA	SMCA	438	Russian River estuary and nearshore from Goat Rock to Pedoti. Does include Gull Rock N: 38deg29' S: 38deg25'	Allows crab only.	Goal 2, 4 Protects estuary, steelhead, coastal chinook, birds, mammals, rockfish, abalone, kelp beds, etc. Salmonid resources impacted when balled up at mouth of estuary when closed. Wildlife value in rocks.	Acknowledge issue w/ diagonal line Will need to discuss potential no-disturbance zone around colonies From Goat Rock to Pedoti is fairly limited access due to steepness of cliffs. Pedoti and Sunken Reef important for abs and recreational fishing. Abalone index site and #1 spot in Sonoma - want to avoid impacting that area. Impacts crab and salmon fishing if reserve extends offshore. Avoid area south of Goat Rock which is important access and red fishing for Bodega and Sonoma Co.
B	Charter Beach SMCA	SMCA	456	Keeps tail of Sonoma coast north of reserve	No recreational take of living or non-living marine resources is allowed except: finfish, red abalone, chiones, clams, cockles crabs, ghost shrimp, mussels, native oysters, rock scallops, sea urchins and marine worms except that no worms may be taken in any mussel	Goal 1 and 3	

					<p>bed unless taken incidentally to the take of mussels.</p> <p>Commercial take of species other than giant kelp and bull kelp is allowed. (existing regulations from Sonoma Coast SMCA)</p>		
B	Bodega Head SMR	SMR	425	Salmon Creek to Bodega Head (38deg 21 to 38deg17)	No take	<p>Goal 1, 2, 3, 4, 5, 6. Protects representative and unique marine life habitats Protects rocky substrata habitat and associated ecosystem, captures soft bottom habitat and associated species, enhances Bodega Bay Marine Laboratory Reserve by providing a more realistic study area, provides useful protection for sea birds and mammals, protects forage base and foraging area popular for local and visiting bird life.</p> <p>Will protect the natural diversity and function of marine ecosystem. Will help sustain and restore marine life</p>	<p>Loss of abalone fishing site and access.3 of 56 sites in study region.</p> <p>Consensus to design MPA at Bodega Head instead of Tomales Bluff. Note, if Bodega Head MPA complex goes away; consider complex at Tomales Point instead</p>

						populations. Allows for clear objectives, effective management, adequate enforcement, sound science.	
B	Bodega Head SMCA	SMCA	426	E 123deg3'	Allows for the commercial and recreational take of salmon and Dungeness Crab (hook and line and trap only).	Goals 1, 2, 3, 4, 6 Protects offshore soft bottom habitat	
B	Tomales Bay SMR	SMR	437	Existing Tomales SMP but elevated to SMR status	SMR, no duck hunting allowed	Goals: 1,2,3,4,	Same as option A, but exclude duck hunting
B	Point Reyes Headland SMR	SMR	441	Same as option A but up to half minute	No Take	Same as Option A	More protective (area and rocky habitat) than Option A
B	Point Reyes Headland SMCA	SMCA	442	Area around Pt Reyes Headland SMR-option B	Allows salmon, crab, halibut	Goals 1-6 Protects offshore rock and sand habitats, rockfish, and retention area in Drakes Bay. Protects Chimney Rock area in SMCA.	Leaves Drakes Bay and offshore open to crab and salmon and halibut.
B	Drakes Estero SMR	SMR	4	General agreement on goal of SMR in Drakes Estero and Estero de Limantour area.	No take (except oyster farming until 2012)	Goals 1 and 4 Protects estuary, eelgrass, bird and mammal colonies.	Would need to recommend how to address existing commercial oyster leases. Acknowledge other jurisdictions (DFG, NPS, etc); perhaps phase in SMR status? Intent is to change to an SMR when the

							reservation lease expires in 2012.
B	Duxbury Reef SMCA	SMCA	443	SMCA extends offshore from Miller Point to Bolinas Point (W 122 49', E 122 44')	Allows salmon, Dungeness crab, and halibut (hook and line only for finfish)	Goals 1, 2, 4, 6The main goal is to provide protection to nearshore bird life and mammal haulouts that are found in the area, rocky habitat and network connectivity, and foraging prey spp. Although some rocky habitat, the associated ecosystem, and some intrinsic geomorphic relief is captured	<p>More protective for rockfish and forage species and pinniped but will significantly impact commercial and recreational rockfish fishery.</p> <p>Some members of group want this evaluated but there are strong concerns about this MPA concept (due to impacts on rockfish fishery).</p> <p>Consider no disturbance zone at Double Point.</p>
B	Moss Beach SMR	SMR	1	SMR from Pillar Point north to just south of Pt San Pedro and out to 122deg32min longitude; SMCA in offshore	No take	Goals 1-4 Protecting intertidal, shale reefs, rocky cobble, pinnacles, seagrass, bull kelp and more.	<p>Option B: 6-7mi of coastline from existing Fitzgerald southern boundary up to just south of Point San Pedro. Avoids Lindamar Cove area (rec. fishing) and public access and shorefishing at Montara. Limits impact to squid fishing. Would impact rec fishing at Colorado Reef. SMCA allows squid fishing (>10fathom) and crab and salmon. Would impact rec fishing of rockfish. The whole area is <50m deep so may affect SAT level of</p>

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							protection.
B	Moss Beach SMCA	SMCA	2	Offshore of larger SMR option	Allow squid, crab, salmon	Goals 1-4 Protecting deep rock and deep sand and life stages that move offshore	Need to consider potential no-disturbance zone and forage area for birds. Loss of bird forage spp (squid) if squid allowed.
B	Pescadero Estuary SMR	SMR	3	General agreement on SMR at Pescadero marsh and estuary only.	No take	Goal 1, 4, 6. Would protect estuary and link to Elkhorn Slough in network. Little impact to rec fishing if just inside estuary (rec use of sandy beach). Pescadero Marsh Preserve limits access but does not directly limit take of marine resources	Group made conscious decision to leave Pescadero offshore open to fishing, despite presence of good rocky habitat; this will provide study opportunity and focus protection on the Moss Beach area instead of Pescadero area.
B	North Farallon SMR	SMR	424	Approximately 1 square mile around island. The general boundaries would be the closest approximation of an area less than 15 fathoms	No take	Goals – 1,2,4,6 SMR protects birds and mammals from disturbance, protects shallow rock, rockfish and forage species nearshore, while limiting impacts to fishing.	
B	SE Farallon SMR	SMR	451	Large square around SE Farallons that includes part of Hearst Shoal	No Take	Goals 1, 2, 3, 4, 6. Protects birds and mammals, nearshore habitats	Currently waters <10fathoms around Farallons closed to fishing. Area extremely important to rockfish sport fishery (still large fish) and ecotourism (birds, whales, sharks,

							etc). Does not include deeper habitats and rocky areas important to rec. and comm. fishing (eg. Hearst Shoal, rocky areas between, south, and west of islands). Outside 30 fathoms are salmon tacks. Potential future abalone fishery in Farallons. Currently only 1 urchin fisherman left Avoids impacts to rockfishing at Hearst Shoal
B	SE Farallon SMCA	SCMA	452	Offshore SMCA southwest of SE Farallon Is.	Salmon only	Goals:1, 2, 3, 4, 6 Protects hard and soft bottom habitat	
B	Farallons Subregion SMCA	SMCA	453	Entire subregion is SMCA that protects forage species	Squid, anchovy, sardines not allowed	Goals 1-6	Protects forage base for seabirds, mammals.
B	Farallons Is SMCA	SMCA	457	Keep existing Farallons Is SMCA	Vessel Operation/ anchoring closure in a portion of the SMCA seasonally. No take of groundfish (as defined in DFG code) from 0-10 fathoms	Goals 1-6	

Consideration of Marine Bird and Mammal Protection

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Within this MPA array, certain areas may warrant increased protection of marine birds and/or marine mammals though the use of "no disturbance" zones or special closures. Detailed design of these areas will be postponed until the California Department of Fish and Game has distributed guidance for creating these areas. Within this MPA array, areas suggested by the proponents for potential consideration are listed below. Note that these areas are identified on the accompanying map, but are not considered in the MLPA Science Advisory Team size and spacing analysis.

Opt	Area to be Considered	General location/extent	Comments, Questions or Important Information
B	Pt Arena		
B	Fish Rocks		
B	Gualala Point Island		
B	Green Cove and Tidepool	Located at Sea Ranch	
B	Salt Point		
B	Fort Ross		
B	Russian River Rocks, Arched Rock, Gull Rock		
B	Bodega Rock		
B	Bird Rock (Tomales)		Included in GNNMS Seabird Colony Protection Program
B	Hog Island		Included in GNNMS Seabird Colony Protection Program
B	Pt Reyes Headland		Included in GNNMS Seabird Colony Protection Program
B	Double Point and Point Resistance		Included in GNNMS Seabird Colony Protection Program
B	Bird Island (Rodeo Beach)		Included in GNNMS Seabird Colony Protection Program
B	Seal Rocks	Near San Francisco	Included in GNNMS Seabird Colony Protection Program
B	San Pedro cliffs and Devil's Slide		Included in GNNMS Seabird Colony Protection Program
B	Between Lobitos creek and Tunitas creek	Located in Central San Mateo County	Hundreds of pelagic cormorant and pigeon guillemot roosting areas in the steep cliffs there during late spring and summer months
B	North and South-East Farallones		

Consideration of Existing State MPAs

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Please indicate how each of the following existing MLPA North Central Coast MPAs is considered within your initial MPA array option.

Existing MPA	Included Without Changes (proposed to be retained)	Included with Boundary or Regulation Change (proposed to be modified)	Not Included (proposed for elimination)
Manchester and Arena Rock SMCA		Arena Rock included in concept and Manchester SB replaced.	Manchester State Beach
Del Mar Landing SMP	Included		
Salt Point SMCA		Currently not included in Black Salt SMR/SMCA; but talk w/ Parks	
Gerstle Cove SMCA			Not included
Fort Ross SMCA		Modified by Black Salt SMR/SMCA	
Tomales Bay SMP		Included, but changed to SMR	
Point Reyes SMCA		Modified by Point Reyes concept.	
Estero de Limantour SMCA		Modified by Drakes Estero concept	
Duxbury Reef SMCA		Modified by Duxbury Reef SMR/SMCA	
Sonoma Coast SMCA		Partially included	
Bodega SMR		Included in Bodega Bay concept.	

Fitzgerald SMP		Modified by Moss Beach concept.	
Farallon Islands SMCA	Included		